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WITHDRAWN - W & M C

X-LF 107

PALEY.

1. Define Moral Philosophy, and state the use of the science.

2. Give an analysis of the chapter on Human Happiness.

3. When is a person said to be obliged? and *why* am I obliged to keep my word? Upon what postulate does the whole fabric of moral obligation rest?

4. What is Paley's division of rights? Distinguish between perfect and imperfect rights; and resolve the difficulty of a person having a right to a thing, and yet having no right to use the means necessary to obtain it.

5. What are the principal advantages from which we deduce the use of the Institution of Property?

6. What reasons have been alleged for the right of property in land? What is the real foundation of this right?

7. In what sense are promises to be interpreted?

8. "Jam illis promissis non standum esse quis non videt, quæ, coactus quis metu, quæ deceptus dolo, promiserit?" *Cic. de Off.* How does Paley reason on the above cases?

9. In what sense does Paley use the term Charity? and what are the principal methods of exercising this duty?

10. What are the obligations to bestow relief upon the poor? Which the most beneficial ways of bestowing it?

11. How do you derive the origin of Civil Government? and what, may we presume to have been the form of the earliest government?

12. Distinguish between Natural and Civil Liberty. Is the enjoyment of Civil Liberty compatible with the deprivation of personal liberty?

VIRGIL Eclog. I. IV. VI. X.

Jesus College, *May* 1830.

WITHDRAWN - W & M C

Translate *literally the following passages:*

Fortunate senex, ergo tua rura manebunt!
Et tibi magna satis; quamvis lapis omnia nudus
Limosoque palus obducat pascua junco.
Non insueta gravis tentabunt pabula fetas;
Nec mala vicini pecoris contagia lædent.
Fortunate senex, hic inter flumina nota
Et fontes sacros, frigus captabis opacum.
Hinc tibi quæ semper vicino ab limite sæpes
Hybleis apibus florem depasta salicti,
Saepe levi somnum suadebit inire susurro.
Hinc alta sub rupe canet frondator ad auras;
Nec interea interea raucæ, tua cura, palumbes,
Nec gemitum aspera pressabit turtur ab ulmo.

* * * * * *

Hæc olim meminisse juvabit, cum te fecerit ætas,
Cuncta se quæ [illegible] sunt secuta: nec nautica pinus
[illegible] tellus
Nec [illegible] ulmo [illegible] ulmo [illegible] ilicem;
Ruberet [illegible] tauris juga solvet arator
Nec varios discet mentiri lana colores:
Ipse sed in pratis aries jam suave rubenti
Murice, jam croceo mutabit vellera luto;
Sponte sua sandyx pascentis vestiet agnos.
Talia tempora, talia fluebant, currite, fusis
Concordes stabili fatorum numine Parcæ.

* * * * * *

Nunque [illegible] ut magnum per inane coacta
Semina [illegible] terraque marisque fuissent,
Et [illegible] primis
[illegible] concreverit orbis;
Tum [illegible] Nerea ponto
[illegible] cingere formas;
[illegible] interesse solent.
[illegible] umbras.
[illegible] quique
[illegible]
[illegible] Pyrrha [illegible] regna.
[illegible] Prometheus

* * * * * *

[illegible]

EUCLID Books V. VI. AND TRIGONOMETRY.

WITHDRAWN - W & M

ST. PETER'S COLLEGE. *May* 1830.

1. IF four magnitudes of the same kind be proportionals, they shall also be proportionals when taken alternately.

2. If there be any number of magnitudes, and as many others, which taken 2 and 2 in a cross order have the same ratio; the first shall have to the last of the first magnitudes the same ratio, which the first of the others has to the last.

3. If the sides of two triangles about each of their angles be proportionals, the triangles shall be equiangular, and have their equal angles opposite to the homologous sides.

4. Describe a rectilinear figure, which shall be similar to one, and equal to another given rectilineal figure.

5. Define the secant of an arc; shew in what quadrants it is positive or negative, and prove by your definition that

$$\sec(2n\pi + A) = -\sec\{(2n-1).\pi - A\}.$$

6. Given 75° equal sum of two arcs in the English scale, and 26° 33′ 33″ &c. equal their difference in the Foreign scale. Express the arcs in both scales.

7. Given the sines and cosines of any two arcs; required the sines and cosines of their sum and difference, in expressions adapted to rad (r).

8. If $c = \cos 2\theta$, prove that

$$\operatorname{cosec} 3\theta = \operatorname{cosec}\theta.\{1 - 2c + 2^2c^2 - 2^3c^3 + 2^4.c^4 - \&c\}.$$

9. Prove that $\sin A = 4\sin\frac{A}{3}.\sin\frac{\pi - A}{3}.\sin.\frac{\pi + A}{3}$.

10. The vertical angle of an isosceles triangle is 90°. Shew that if P represent the periphery of the triangle, and D the diameter of the inscribed circle, $P : D :: 2 + \sqrt{2} : 2 - \sqrt{2}$.

11. The linear, and angular distances of two objects from a given position being given; find the distance between them in a form adapted to logarithmic computation.

12. When (n) is an even number, and of the form $(4m + 2)$, prove that

$$\sin^n A = -\frac{1}{2^{n-1}}\{\cos(nA - \tfrac{n}{1}\cos(n-2)A + \tfrac{n}{1}.\tfrac{n-1}{2}\cos(n-4)A - \&c$$

[illegible]